



July 11, 2012

Utah Coal Regulatory Program  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 121 0  
Box 145801  
Salt Lake City, Utah 84114-5801

C/015/018 Incoming  
cc: Ingrid  
Patricia  
James

P.O. Box 310  
15 North Main Street  
Huntington, Utah 84528

#4082 K

**Re: Deficiency Response to the Division Review of the Deer Creek Mine 2011 Annual Report, Task ID #4082, PacifiCorp, Deer Creek Mine, C/015/018, Emery County, Utah.**

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company as mine operator, herewith submits deficiency responses to the 2011 Annual Report. Two deficiencies were received by the Division on June 28, 2012. The stated deficiencies are as follows:

- According to the vegetation monitoring report of the reference areas, a new reference area from the Rilda Canyon pinyon-juniper/mountain brush vegetation needs to be selected in consultation with the Division.
- No roof, floor or mid-seam analysis could be found in Attachment A of the annual report. As stated in the MRP Part 3, p. 75, "The sample location map and laboratory analyses, including raw data, will be submitted to the Division annually."

To correct the first deficiency, Energy West will incorporate identifying a new reference area for the Rilda Canyon pinyon-juniper/mountain brush vegetation into the scope of work for the 2012 vegetation monitoring. The Division shall be consulted prior to finalizing the inclusion the new reference area.

The second deficiency, "No roof, floor, or mid-seam analysis...", was inadvertently excluded from Appendix A. A hard copy of the analyses for the roof, floor and mid-seam samples is included with this deficiency response. If the Division considers it necessary, Energy West will reproduce the 2011 General Annual Report on a new CD that includes this data in Appendix A for the Division's files.

If there are any questions or concerns please call Dennis Oakley at 801-220-4607.

Sincerely,

  
Ken Fleck

Geology and Environmental Affairs Manager

Encl: Analysis Records for In-Mine Sampling

cc: (File)

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JUL 13 2012

DIV. OF OIL, GAS & MINING

# APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☐ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: PacifiCorp

Mine: Deer Creek Mine

Permit Number: C/015/0018

Title: Response to the Deficiency Review of the Deer Creek Mine of the 2011 Annual Report, Task ID #4082, PacifiCorp, Deer Creek Mine, C015/0018, Emery County, Utah

Description, Include reason for application and timing required to implement:

Include data in 2011 Annual Report

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- ☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ ☐ increase ☐ decrease.
- ☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- ☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- ☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
- ☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- ☐ Yes ☒ No 6. Does the application require or include public notice publication?
- ☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- ☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- ☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- ☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
- Explain: \_\_\_\_\_
- ☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
- ☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- ☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
- ☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- ☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
- ☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- ☐ Yes ☒ No 17. Does the application require or include construction, modification, or removal of surface facilities?
- ☐ Yes ☒ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- ☐ Yes ☒ No 19. Does the application require or include certified designs, maps or calculation?
- ☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
- ☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
- ☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- ☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Kenneth Fleck  
Print Name

Kenneth S. Fleck  
Sign Name, Position, Date

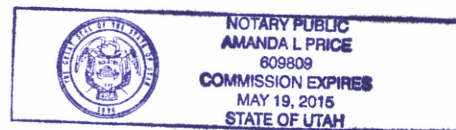
Manager of Environmental Affairs JULY 11, 2012

Subscribed and sworn to before me this 11 day of JUN, 2012

Amanda L Price  
Notary Public

My commission Expires:

Attest: State of Utah } ss:  
County of Emery



For Office Use Only:

Assigned Tracking  
Number:

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DIV. OF OIL, GAS & MINING



# APPLICATION FOR COAL PERMIT PROCESSING

## Detailed Schedule Of Changes to the Mining And Reclamation Plan

**Permittee:** PacifiCorp

**Mine:** Deer Creek Mine

Permit Number: C/019/0018

**Title:** Response to the Deficiency Review of the Deer Creek Mine of the 2011 Annual Report, Task ID #4082, PacifiCorp, Deer Creek Mine, C015/0018, Emery County, Utah

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

### DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED

[illegible]

**Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.**

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#### DIV. OF OIL, GAS & MINING

# **2011 ANNUAL REPORT**

## **REFUSE OPERATIONAL SAMPLING**

**DEER CREEK MINE (C/015/0018)**





**Client/Project Name**

Company: <i>Energy West Mining Co</i>	<i>Deer Creek Mine</i>
Chain of Custody Type No.	

**Samstag: (Signature)**

Project Location:

10 Deer Creek Mine

## ANALYSES / PARAMETERS

Chemical Curing Tape No.

**No. of  
Centimeters**

Remarks

[illegible]

**Inter-Mountain Laboratories, Inc.**

4833 Terra Avenue  
Shiridan, Wyoming 82801  
Telephone (307) 672-5845

**170 GMA Test**

1701 Phelps Circle  
Gillette, Wyoming 81301  
Telephone (307) 381-1111

**250 Farm Tech**

2508 West Main Street  
Farmington, NM 87401  
Telephone (505) 328-4771

116

1163 Research Dr.  
Butte, Montana 59715  
Telephone (406) 593-9450

1118  
Coke  
Fede

1183 SH 30  
College Station, TX 77845  
Telephone (409) 776-8945

**3300 Coldwell**

3304 Longmire Drive  
College Station, TX 77845  
Telephone (409) 774-4999

35103

**Oakley, Dennis**

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**From:** Karen Secor [ksecor@imlinc.com]  
**Sent:** Tuesday, January 31, 2012 4:28 PM  
**To:** Oakley, Dennis  
**Subject:** Analytical Results  
**Attachments:** EnergyWestS1201100.xls; EnergyWestS1201100.pdf

Hi Dennis,

Attached is data for the Deer Creek Mine samples collected December 12. Please call or email with any questions.

Thanks,

*Karen Secor*  
Soil Lab Manager  
Inter-Mountain Labs  
Phone 307-672-8945  
Fax 307-672-6053  
Email: [ksecor@imlinc.com](mailto:ksecor@imlinc.com)

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

**Soil Analysis Report**  
**Energy West Mining Co**  
P.O. Box 310  
Huntington, UT 84528

Report ID: S1201100001

Project: Energy West Table #6

Date Received: 1/10/2012

Date Reported: 1/31/2012

Work Order: S1201100

Lab ID	Sample ID	pH		Saturation	Electrical		Field Capacity	Wilt Point	PE		PE	Sodium	SAR
		s.u.		%	Conductivity	dS/m	%	%	Calcium	meq/L	Magnesium	meq/L	
S1201100-001	DC0111 Composite Roof	8.4		34.3	0.37		14.2	4.8	1.11		1.38	1.13	1.01
S1201100-002	DC0211 Composite Rib	8.1		72.7	0.24		14.5	3.9	0.80		0.62	0.88	1.05
S1201100-003	DC0311 Composite Floor	8.3		33.2	0.27		17.5	2.8	0.83		0.69	0.93	1.06

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osq= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A. Secor

Karen Secor, Soil Lab Supervisor





Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 872-8945

Your Environmental Monitoring Partner

**Soil Analysis Report**  
**Energy West Mining Co**  
P.O. Box 310  
Huntington, UT 84528

Report ID: S1201100001

Project: Energy West Table #6

Date Received: 1/10/2012

Date Reported: 1/31/2012

Work Order: S1201100

Lab ID	Sample ID	Sand %	Silt %	Clay %	Texture	Boron ppm	Nitrate		Selenium ppm	TKN %	Total	
							(as N) ppm				Carbon %	TOC %
S1201100-001	DC0111 Composite Roof	72.0	18.0	10.0	Sandy Loam	0.39	0.4		<0.02	0.21	9.5	8.5
S1201100-002	DC0211 Composite Rill	95.0	5.0	<0.1	Sand	0.20	0.1		<0.02	1.32	80.2	80.2
S1201100-003	DC0311 Composite Floor	97.0	3.0	<0.1	Sand	0.12	0.2		<0.02	0.14	1.8	1.6

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSe= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A. Secor

Karen Secor, Soil Lab Supervisor



Inter-Mountain Labs

1873 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8845

Your Environmental Monitoring Partner

**Soil Analysis Report**  
**Energy West Mining Co**

P.O. Box 310  
Huntington, UT 84528

Report ID: S1201100001

Project: Energy West Table #8

Date Received: 1/10/2012

Date Reported: 1/31/2012

Work Order: S1201100

Lab ID	Sample ID	Total Sulfur		T.S. AB		Neutral Potential		T.S. ABP		Sulfate Sulfur		Pyritic Sulfur		Organic Sulfur		PyriticS AB		PyriticS ABP	
		%	1/1000t	AB	1/1000t	Potential	1/1000t	ABP	1/1000t	%	Sulfur	%	Sulfur	%	Sulfur	AB	1/1000t	ABP	1/1000t
S1201100-001	DC0111 Composite Roof	0.14	4.40	84.0	79.6														
S1201100-002	DC0211 Composite Rib	0.84	28.3	4.89	-21.4	0.12	0.18	0.53	5.73	-0.84									
S1201100-003	DC0311 Composite Floor	0.03	0.88	12.6	11.7														

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A. Secor  
Karen Secor, Soil Lab Supervisor